Title (en)

SYRINGE BARREL PRODUCTION METHOD

Title (de)

SPRITZENZYLINDERHERSTELLUNGSVERFAHREN

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN CORPS DE SERINGUE

Publication

EP 3106283 A4 20171004 (EN)

Application

EP 15746273 A 20150209

Priority

- JP 2014023104 A 20140210
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Abstract (en)

[origin: US2016325045A1] The present invention provides a manufacturing method of a syringe barrel capable of securing smoothness of a nozzle tip and productivity. A manufacturing method of a syringe barrel that is injection-molded from a nozzle tip comprises cutting a remaining gate at a nozzle part using an ultrasonic cutting apparatus having a mechanism for suppressing abnormal vibrations.

IPC 8 full level

B29C 45/17 (2006.01); **A61M 5/178** (2006.01); **B26D 7/08** (2006.01); **B29C 45/38** (2006.01); B29C 45/16 (2006.01); B29K 23/00 (2006.01); B29L 31/00 (2006.01)

CPC (source: EP KR US)

A61M 5/178 (2013.01 - KR); **A61M 5/31** (2013.01 - US); **A61M 5/3129** (2013.01 - EP US); **B26D 3/00** (2013.01 - EP KR US); **B26D 7/08** (2013.01 - EP US); **B26D 7/086** (2013.01 - EP KR US); **B29C 45/0025** (2013.01 - EP KR US); **B29C 45/38** (2013.01 - EP KR US); A61M 2205/02 (2013.01 - EP US); A61M 2207/00 (2013.01 - EP US); B29C 45/16 (2013.01 - EP US); B29C 2045/0027 (2013.01 - EP KR US); B29C 2793/009 (2013.01 - EP KR US); B29K 2023/38 (2013.01 - EP KR US); B29L 2031/7544 (2013.01 - EP KR US)

Citation (search report)

- [Y] JP 2004229750 A 20040819 - NIPRO CORP
- [Y] US 4685602 A 19870811 - HAMA TOMIO [JP]
- See references of WO 2015119284A1

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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